[a rear wall in said dissipation cavity, opposite the front wall, positioned and shaped such that electrons which strike it, and secondary electrons, are captured in said dissipation cavity; and]

A' cont'd

a voltage source electrically connected to said collector.

6. (once amended) A depressed voltage collector for use with a device emitting an electron beam containing electrons traversing into the collector where energy is recovered from the electron beam, said collector comprising:

an electrically conductive dissipation cavity;

a front wall located at one side of said dissipation cavity having an aperture to allow the passage of said electron beam into said cavity;

A2

a conductive reflector electrically and mechanically attached to said interior cavity in said enclosure, opposite said aperture, positioned relative to said electron beam to reflect electrons and secondary electrons, into said dissipation cavity; and

[a rear wall in said dissipation cavity, opposite the front wall, positioned and shaped such that electrons which strike it, and secondary electrons, are captured in said dissipation cavity; and]

a voltage source electrically connected to the collector and to the device.

9. (once amended) A depressed voltage collector for use with a device emitting a rectangular sheet electron beam of electrons traversing into the collector where energy is recovered from the electron beam, said collector comprising:

A3

an electrically conductive dissipation cavity;

a front wall located at one side of said dissipation cavity having an aperture to allow the passage of said rectangular sheet electron beam into said cavity;

a conductive reflector electrically and mechanically attached to said interior cavity in said enclosure, opposite said aperture, positioned relative to said rectangular sheet electron beam to reflect electrons and secondary electrons, into said dissipation cavity; and

[a rear wall in said dissipation cavity, opposite the front wall, positioned and shaped such that electrons which strike it, and secondary electrons, are captured in said dissipation cavity; and]

a voltage source electrically connected to said collector and to said device.

A3 cont'd

10. (once amended) A depressed voltage collector for use with a device emitting a large aspect ratio annular electron beam of electrons traversing into the collector where energy is recovered from the electron beam, said collector comprising:

an electrically conductive dissipation cavity;

a front wall located at one side of said dissipation cavity having an annular aperture to allow the passage of said annular electron beam into said cavity;

a conductive reflector electrically and mechanically attached to said interior cavity in said enclosure, opposite said aperture, positioned relative to said annular electron beam to reflect electrons and secondary electrons, into said dissipation cavity; and

[a rear wall in said dissipation cavity, opposite the front wall, positioned and shaped such

A3 cont'd

that electrons which strike it, and secondary electrons, are captured in said dissipation cavity; and]

a voltage source electrically connected to said collector and to said device.

13. (once amended) A single stage depressed voltage collector for use with a device emitting an electron beam containing electrons traversing into the collector where energy is recovered from the electron beam, said collector comprising:

an electrically conductive dissipation cavity;

a front wall located at one side of said dissipation cavity having an aperture to allow the passage of said electron beam into said cavity;

A4

a conductive reflector electrically and mechanically attached to said interior cavity in said enclosure, opposite said aperture, positioned relative to said electron beam to reflect electrons and secondary electrons, into said dissipation cavity; and

[a rear wall in said dissipation cavity, opposite the front wall, positioned and shaped such that electrons which strike it, and secondary electrons, are captured in said dissipation cavity; and]

a voltage source electrically connected to the collector and to the device.

REMARKS

Reconsideration of the application and entry of the foregoing amendments are respectfully requested.

The examiner has rejected Claims 1, 6, 9-10, 13 under 35 USC §112 second paragraph as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claims 1, 6, 9-10, 13 have been amended to state that the